

**AMENDMENTS TO THE SPECIFICATION**

Please replace the first section heading at page 1, line 3 with the following rewritten section headings:

~~-- Technical Field~~ BACKGROUND OF THE INVENTION

Field of the Invention --

Please replace the second section heading at page 1, line 12 with the following rewritten section heading:

~~-- Background Art~~ Description of Related Art --

Please replace the section headings at page 13, lines 13 and 14 with the following rewritten section heading:

~~-- Disclosure of Invention~~

~~Problem to be Solved by the Invention~~ SUMMARY OF THE INVENTION --

Please insert the following section heading and ten (10) new paragraphs at page 28, line 16:

-- BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a schematic view that shows the basic configuration of the present invention, and is a top view of the barcode array of the present invention;

Fig. 2 is a cross-section taken along line A-A in Fig. 1, and schematically shows the barcode array of the present invention when it has been configured as Embodiment 1-1;

Fig. 3 is a cross-section taken along line A-A in Fig. 1, and shows the barcode array of the present invention when it has been configured as Embodiment 1-2;

Fig. 4 is a cross-section taken along line A-A in Fig. 1, and shows the barcode array of the present invention when it has been configured as Embodiment 1-3;

Fig. 5 are photographs of test chips showing the amount of bromophenol blue/distilled water remaining after 0, 10 and 30 minutes;

Fig. 6 shows the contact processes related to Embodiment 3, which relates to the surface modification of the biochip;

Fig. 7 shows a DNA chip in which a PDMA substrate formed with PDMS as the main component is provided on a substrate;

Figs. 8a-c. Fig. 8a is for comparison data 1, in which the ozone treatment process of the present invention is not performed. Fig. 8b is for comparison data 2, in which the ozone treatment process of the present invention is not performed on PDMS substrate in which the additive is mixed. Fig. 8c shows the results of image processing;

Fig. 9 shows a configuration that includes a cooling fan and an exhaust duct;  
and

Fig. 10 shows a schematic view of essential parts in a configuration in which, when configuring a first determined portion so that it can cool and a second predetermined portion such that it can heat or cool, a plurality of temperature control portions are provided. -

Please replace the section heading at page 28, line 17 with the following rewritten section heading:

-- ~~Best Mode for Carrying Out the Invention~~ DETAILED DESCRIPTION OF THE PRESENT INVENTION--